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OM nucleic - nucleic search, using SW model						
Run on: January 8, 2004, 17:18:44 ; Search time 535 Seconds (without alignments)						Copyright (c) 1993 - 2004 Compugen Ltd.
Title: US-10-006-485A-139						GenCore version 5.1.6
Perfect score: 2044						Scoring table: IDENTITY_NUC
Sequence: 1 9999cgggtggctggagca.....aaaaaaaaaaaaaaaaga 2044						Scoring table: Gapop 10.0 , Gapext 1.0
Searched: 2552756 seqs, 1149719017 residues						Minimum DB seq length: 0
Maximum DB seq length: 200000000						Post-processing: Minimum Match 0%
Maximum Match 100%						Listing first 45 summaries
Database :						
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AC AAF54299;						
XX						
DT 02-APR-2001 (first entry)						
XX						
DE DNA encoding protein of the invention #42.						
XX						
KW Secreto; transmembrane; gene therapy; ss.						
OS Unidentified.						
XX						
PN WO200078961-A1.						
XX						
PD 28-DEC-2000.						
XX						
PF 18-FEB-2000; 2000WO-US04342.						
XX						
PR 23-JUN-1999; 99US-0141037.						
PR 20-JUL-1999; 99US-0144758.						
PR 26-JUL-1999; 99US-0145698.						
PR 01-SEP-1999; 99WO-US2011.						
PR 29-OCT-1999; 99US-0162506.						
PR 30-NOV-1999; 99WO-US22313.						
PR 02-DEC-1999; 99WO-US20551.						
PR 16-DEC-1999; 99WO-US30095.						
PR 05-JAN-2000; 2000WO-US00219.						
PR 06-JAN-2000; 2000WO-US00376.						
SUMMARIES						
Result No.	Score	Query Match Length	DB ID	Description		
DNA encoding protein Human angiogenesis Human PRO1412 cDNA Human PRO1412 (TNO cDNA encoding huma Human signal pepti Human cancer supp Nucleotide sequenc						

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.



PR 05-APR-2001; 2001US-0828366.

PR 10-MAY-2001; 2001US-0854208.

PR 10-MAY-2001; 2001US-0854280.

PR 10-MAY-2001; 2001US-0854281.

PR 25-MAY-2001; 2001US-0866028.

PR 25-MAY-2001; 2001US-0866034.

PR 25-MAY-2001; 2001US-0866034.

PR 30-MAY-2001; 2001US-0870574.

PR 30-MAY-2001; 2001WO-US17433.

PR 01-JUN-2001; 2001WO-US17800.

PR 20-JUN-2001; 2001WO-US19682.

PR 28-JUN-2001; 2001WO-US00000.

PR 28-JUN-2001; 2001WO-US00000.

PR (GETH ) GENENTECH INC.

PA (BAKE ) BAKER K. P.

PA (FERR ) FERRARA N.

PA (GERB ) GERBER H.

PA (GERR ) GERRITSEN M. E.

PA (GODD ) GODDARD A.

PA (GODO ) GODOWSKI P. J.

PA (GURN ) GURNEY A. L.

PA (HILL ) HILLIAN K. J.

PA (MARS ) MASTERS S. A.

PA (PANJ ) PAN J.

PA (PAON ) PAONI N. F.

PA (STEP ) STEPHAN J. P.

PA (WATA ) WATANABE C. K.

PA (WILL ) WILLIAMS P. M.

PA (WOOD ) WOOD W. I.

XX

PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Hillian KJ, Masters SA, Pan J, Paoni NF, Stephan JP, Watanabe CK, Williams PM, Wood WI, Ye W;

XX

DR WPI; 2002-171999/22.

DR P-PSDB; ABB95521.

XX

PT One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal -

PT Claim 1; Fig 197; 567pp; English.

XX

RS The present invention provides the protein and coding sequences of human PRO proteins. These are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder, including cardiac hyper trophy, trauma, cancer, age-related macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarction, thrombophlebitis, lymphangiitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The present sequence is a coding sequence of the invention.

XX

Sequence 2044 BB; 394 A; 678 C; 576 G; 396 T; 0 other;

PR 100.0%; Score 2044; DB 24; Length 2044;

PR Best Local Similarity 100.0%; Pred. No. 0;

PR Matches 2044; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

PR 07-SEP-2000; 2000US-230978P.

PR 15-SEP-2000; 2000US-00000P.

PR 18-SEP-2000; 2000US-066410.

PR 24-SEP-2000; 2000US-066550.

PR 08-NOV-2000; 2000US-24222P.

PR 08-NOV-2000; 2000WO-US34952.

PR 10-NOV-2000; 2000US-0796438.

PR 01-DEC-2000; 2000WO-US32678.

PR 20-DEC-2000; 2000WO-US34955.

PR 20-DEC-2000; 2000WO-US34956.

PR 22-JAN-2001; 2001US-0767609.

PR 28-FEB-2001; 2001US-0796438.

PR 28-FEB-2001; 2001WO-US05520.

PR 01-MAR-2001; 2001WO-US06666.

PR 09-MAR-2001; 2001US-0802106.

PR 14-MAR-2001; 2001US-0806599.

PR 22-MAR-2001; 2001US-081674.





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 DT 08-AUG-2000 (first entry)  
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 DE Human PRO1412 (UNQ730) cDNA sequence SEQ ID NO:139.  
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 KW Human; PRO polypeptide; membrane bound protein; receptor; diagnosis;  
 KW transmembrane; secretion; immunoadhesion; pharmaceutical; screening;  
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 XX  
 OS Homo sapiens.  
 XX  
 PN WO200012708-A2.  
 XX  
 PD 09-MAR-2000.  
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 PR 01-SEP-1999; 98US-0098716.  
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 PR 02-SEP-1998; 98US-0098803.  
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 PR 09-SEP-1998; 98US-0099536.  
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 PR 10-SEP-1998; 98US-0099741.  
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 PR 15-SEP-1998; 98US-0100385.  
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 PR 16-SEP-1998; 98US-0100627.  
 PR 16-SEP-1998; 98US-0100661.  
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 PR 17-SEP-1998; 98US-0100930.  
 PR 18-SEP-1998; 98US-0100848.  
 PR 18-SEP-1998; 98US-0100849.  
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 PR 18-SEP-1998; 98US-0101068.  
 PR 18-SEP-1998; 98US-0101071.  
 PR 22-SEP-1998; 98US-0101079.  
 PR 23-SEP-1998; 98US-0101471.  
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 PR 23-SEP-1998; 98US-0101474.  
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 QY 1921 CATTGGAGGGGACCTGGGGCCCTGGGGACTCTGCTAGGGGG 1980  
 Db 1921 CCATGGAGGGGACCTGGGGCCCTGGGGACTCTGCTAGGGGG 1980  
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RESULT 5  
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 XX  
 DT 08-MAY-2002 (first entry)  
 XX  
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 XX  
 KW Human; secreted protein; PRO; tumour; lung cancer; colon cancer;  
 KW breast cancer; prostate tumour; rectal tumour; liver tumour;  
 KW pericyte cell proliferation; chondrocyte cell proliferation;  
 KW tumour necrosis factor-alpha; gene; 8s.  
 XX  
 OS Homo sapiens.  
 PN WO200202888-A2.  
 XX  
 PD 31-JAN-2002.  
 XX  
 PF 29-JUN-2001; 2001WO-US21066.  
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 PR 20-JUL-2000; 2000US-219556P.  
 PR 25-JUL-2000; 2000US-220585P.  
 PR 25-JUL-2000; 2000US-220607P.  
 PR 25-JUL-2000; 2000US-220624P.  
 PR 25-JUL-2000; 2000US-220638P.  
 PR 25-JUL-2000; 2000US-220664P.  
 PR 25-JUL-2000; 2000US-220665P.  
 PR 26-JUL-2000; 2000US-220893P.  
 PR 28-JUL-2000; 2000US-220893P.  
 PR 01-DEC-2000; 2000WO-US210710.  
 PR 23-AUG-2000; 2000US-22328.  
 PR 24-AUG-2000; 2000WO-US210710.  
 PR 15-SEP-2000; 2000US-00000P.  
 PR 10-NOV-2000; 2000US-00000P.  
 PR 28-NOV-2000; 2000US-253646P.  
 PR 01-DEC-2000; 2000WO-US210710.  
 PR 20-DEC-2000; 2000US-074729.  
 PR 20-DEC-2000; 2000WO-US210710.  
 PR 28-FEB-2001; 2001WO-US06520.  
 PR 10-MAY-2001; 2001US-0854280.  
 PR 25-MAY-2001; 2001WO-US17092.

(GETH ) GENENTECH INC.

Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ, Watnabe CK, Wood WI;  
 Grimaldi JC, Gurney AL, Smith V, Stephan JP;



Db 1680 CTTCCACTGCTGCATTCAGTCCCAGAGCTTGGTCCGAAACGGAGAATAT 1739  
 QY 1741 TGGGGATGGTGGCCCTCGTGGAGAAATGGTCTTGGGAACTTGAGGCGAGAT 1800  
 Db 1740 TGGGGATGGTGGCCCTCGTGGAGAAATGGTCTTGGGAACTTGAGGCGAGAT 1799  
 CC human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have  
 CC anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic,  
 CC neuroprotective, cardiovascular and antiasthmatic activities and can  
 CC be used in gene therapy. HSPPs can be used to treat or prevent disorders  
 CC associated with decreased activity or function of HSPP. Antagonists of  
 CC HSPP are used to treat or prevent disorders associated with increased  
 CC activity or function of HSPP. Such diseases include cell proliferation  
 CC (including cancer), inflammation, cardiovascular, neurological,  
 CC reproductive or developmental disorders, (e.g., arteriosclerosis,  
 CC cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia,  
 CC asthma, Crohn's disease, microbial or other infections, congestive or  
 CC ischaemic heart disease, Alzheimer's or Parkinson's or Huntington's  
 CC diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP  
 CC nucleic acids can be used for the recombinant production of HSPP, for  
 CC detecting HSPP in standard hybridization and amplification assays (for  
 CC diagnosis and monitoring), in gene therapy, as antisense,  
 CC triplex-forming or ribozyme therapeutics, for detecting related sequences  
 CC or generic variations, and for chromosomal mapping. HSPP are also used to  
 CC raise specific antibodies (Ab) and to screen for agonists and  
 CC antagonists (potential therapeutic agents). Ab are used to diagnose, or  
 CC monitor, HSPP-related diseases (in usual immunoassays), as therapeutic  
 CC antagonists, in competitive drug screens, and for purification of HSPP  
 CC from natural sources.

RESULT 6

AAZ98132

ID AAZ98132 standard; cDNA; 2011 BP.

AC

AAZ98132;

XX

DT 11-MAY-2000 (first entry)

XX

DR Human signal peptide containing protein HSPP-24 cDNA SEQ ID NO:158.

XX

KW Human; signal peptide-containing protein; HSPP; diagnosis; cancer;

KW inflammation; cardiovascular disease; anticancer; anti-inflammatory;

KW antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic;

KW antiasthmatic; gene therapy; cell proliferation; neurological disorder;

KW reproductive disorder; arteriosclerosis;

KW cirrhosis; psoriasis; acquired immune deficiency Syndrome; anaemia;

KW asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;

KW Partinson's disease; Huntington's diseases; ovulatory defect;

KW muscular dystrophy; SB.

XX

OS Homo sapiens.

XX

PN WO200000610-A2.

XX

PD 06-JAN-2000.

XX

PR 25-JUN-1999; 99WO-US14484.

XX

PR 26-JUN-1998; 98US-0090762.

PR 31-JUL-1998; 98US-009483.

PR 01-OCT-1998; 98US-0102886.

PR 11-DEC-1998; 98US-0112129.

XX

PA (INCY-) INCYTE PHARM INC.

XX

PI Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KJ, Baughn MR;

PI Akberiom IB, Au-Young J, Rue H, Patterson C, Reddy R, Hillman JT;

PI Bandman O;

XX WPI; 2000-160673/14.

DR P-PSDB; AY87247.

XX New human signal peptide-containing proteins useful in treatment,

PT prevention and diagnosis of e.g. cancer, inflammation and

PT cardiovascular disease

XN  
 PS Claim 9; Page 266; 327pp; English.

XX

AAZ98109 to AAZ98142 encode AAY87224 to AAY87357 which represent the

CC human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have

CC anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic,

CC neuroprotective, cardiovascular and antiasthmatic activities and can

CC be used in gene therapy. HSPPs can be used to treat or prevent disorders

CC associated with decreased activity or function of HSPP. Antagonists of

CC HSPP are used to treat or prevent disorders associated with increased

CC activity or function of HSPP. Such diseases include cell proliferation

CC (including cancer), inflammation, cardiovascular, neurological,

CC reproductive or developmental disorders, (e.g., arteriosclerosis,

CC cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia,

CC asthma, Crohn's disease, microbial or other infections, congestive or

CC ischaemic heart disease, Alzheimer's or Parkinson's or Huntington's

CC diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP

CC nucleic acids can be used for the recombinant production of HSPP, for

CC detecting HSPP in standard hybridization and amplification assays (for

CC diagnosis and monitoring), in gene therapy, as antisense,

CC triplex-forming or ribozyme therapeutics, for detecting related sequences

CC or generic variations, and for chromosomal mapping. HSPP are also used to

CC raise specific antibodies (Ab) and to screen for agonists and

CC antagonists (potential therapeutic agents). Ab are used to diagnose, or

CC monitor, HSPP-related diseases (in usual immunoassays), as therapeutic

CC antagonists, in competitive drug screens, and for purification of HSPP

CC from natural sources.

SQ Sequence 2011 BP; 370 A; 678 C; 570 G; 393 T; 0 other;

Query Match 97.8%; Score 1998.2; DB 21; Length 2011;  
 Best Local Similarity 99.6%; Pred. No. 0; Mismatches 0; Gaps 0;  
 Matches 2003; Conservative 0; Indels 0; Gaps 0;

QY

15 GGACGACCGCGCGGGCGCCGCGAGCTCTCTGCGCTCTGCGGGAGCT 74

Db 1 GGACGACCGCGGGCGCCGAGCTCTGCGCTCTGCGGGAGCT 60

QY 75 TCCCGGGCGGGCGCCACGGCGCTCCCGCGACAGAGTCTCTGCGCTCGA 134

Db 61 TCCCGGGCGGGCGCCACGGCGCTCCCGCGACAGTCTCTGCGCTCGA 120

QY 135 CGGGACATGGGGCGCCACGGCGCTGGGGCGCGCTGGGCTCTGCGTCTGCGCTCGA 194

Db 121 CGGGACATGGGGCGCCACGGCGGGCGGGCGCTGGGCTGGGATCCCTG 180

QY 195 CTGGCTCTCTCTGGGGCGCCCTGGTGGGGCGACGCTTCAAGGTCCCACCC 254

Db 181 CTGGCTCTCTGGGGCGCCCTGGTGGGGCGACGCTTCAAGGTCCCACCC 240

QY 255 GTATGCCCTCTCTGGGGCGCCCTGGTGGGGCGACGCTTCAAGGTCCCACCC 314

Db 241 GTATGCCCTCTCTGGGGCGCCCTGGTGGGGCGACGCTTCAAGGTCCCACCC 300

QY 315 CCCTGGCGCAAGGGCGAGCTGGCCACCTGGTGGGGCGACGCTTCAAGGTCCCACCC 374

Db 301 CCTGGTGGAGCAAGGGCGAGCTGGTGGGGCGACGCTTCAAGGTCCCACCC 360

QY 375 CGGGCTGGAGCGCTCTGGAGGCCGCCGGCGACCTGGTGGGGCGACGCTTCAAGGTCCCACCC 434

Db 361 CGGGCTGGAGCGCTCTGGAGGCCGCCGGCGACCTGGTGGGGCGACGCTTCAAGGTCCCACCC 420

QY 435 CCTGGACATGGAGGCCACGGTGGCCACACGGCGAGCTGGTGGGGCGACGCTTCAAGGTCCCACCC 494

Db 421 CCTGGACATGGAGGCCACGGTGGCCACACGGCGAGCTGGTGGGGCGACGCTTCAAGGTCCCACCC 480

QY 495 GCTGGAGTGGCGCCACGGTGGCCACCTGGTGGGGCGACGCTTCAAGGTCCCACCC 554

Db 481 CCTGGAGTGGCGCCACGGTGGCCACCTGGTGGGGCGACGCTTCAAGGTCCCACCC 540

QY 555 GCTGGATGGCGCTCTACTGGTGGGGCGACGCTTCAAGGTCCCACCC 614

Db 541 GCTGGATGGCGCTCTACTGGTGGGGCGACGCTTCAAGGTCCCACCC 600

QY	615	CAGGGTCCATGGGCCATAGAGCTCAGGTGAGCACAGCAAGATGCCATCCTACTG	674	Db
Db	601	CAGGGTCCATGGGCCATAGAGCTCAGGTGAGCACAGCAAGATGCCATCCTACTG	660	QY
QY	675	TGGTGTGACCATCTCTCCAGAGATGTGAAACATCACGCGCTGAGCCCTGCTAC	734	Db
Db	661	TGGTGTGACCATCTCTCCAGAGATGTGAAACATCACGCGCTGAGCCCTGCTAC	720	QY
QY	735	GCTGCTGACATGTAGATCTCTGCTCCCTCATCTGCTCTGCTGCTAAGAACATC	794	Db
Db	721	GCTGCTGACATGTAGATCTCTGCTCCCTCATCTGCTCTGCTGCTAAGAACATC	780	QY
QY	795	AAGGCAAGGAGGCTCCAAAGGCCCTGAGGAGCTGGGAAATGGAGCAACATCA	854	Db
Db	781	AAGGCAAGGAGGCTCCAAAGGCCCTGAGGAGCTGGGAAATGGAGCAACATCA	840	QY
QY	855	AGGGATGAAACCCCGCTTGAAGGCTCACCACTGAGGATCCCTGAGGAGCA	914	Db
Db	841	AGGGATGAAACCCCGCTTGAAGGCTCACCACTGAGGATCCCTGAGGAGCA	900	QY
QY	915	ACTCAGGACCCCTGTCTATGTGCCAGCGAGGCTCTGAGTCAGGGGACAT	974	Db
Db	901	ACTCAGGACCCCTGTCTATGTGCCAGCGAGGCTCTGAGTCAGGGGACAT	960	QY
QY	975	GCTTCGGAGGCCAGCAACCCCTGCTCTCCAGGCCCGAGAGTCTTCCATC	1034	Db
Db	961	GCTTCGGAGGCCAGCAACCCCTGCTCTCCAGGCCCGAGAGTCTTCCATC	1020	QY
QY	1035	CCTGGACCTGTGCTCTGACTCTCAACATCTGAGGTCACTAGCCAGTGG	1094	Db
Db	1021	CCTGGACCTGTGCTCTGACTCTCAACATCTGAGGTCACTAGCCAGTGG	1080	QY
QY	1095	GGGGTGTGAGCTGAGCTGAGCTGAGGAGCTGATTCAGCCAGTGGGAGCT	1154	Db
Db	1081	GGGGTGTGAGCTGAGCTGAGCTGAGGAGCTGATTCAGCCAGTGGGAGCT	1140	QY
QY	1155	CCTCCCTGGCCCTGGCCCTGGTCCCTCCCTGGCTGGCTCAGACTGACATC	1214	Db
Db	1141	CCTCCCTGGCCCTGGCCCTGGTCCCTCCCTGGCTGGCTCAGACTGACATC	1200	QY
QY	1215	CCAGAACGCCAGGCCCTCACCCCTCTGATGTCATGGGAGCTGAGGCTCAGCC	1274	Db
Db	1201	CCAGAACGCCAGGCCCTCACCCCTCTGATGTCATGGGAGCTGAGGCTCAGCC	1260	QY
QY	1275	CCTGTCAAAGATTGGGGCTGAGATTCCCTAGAGCTGAAATCACACCT	1334	Db
Db	1261	CCTGTCAAAGATTGGGGCTGAGATTCCCTAGAGCTGAAATCACACCT	1320	QY
QY	1335	ACAGATGCCAATGCACTACATTTAGAGTCAGAACGTCAGCCCTAGAGCT	1394	Db
Db	1321	ACAGATGCCAATGCACTACATTTAGAGTCAGAACGTCAGCCCTAGAGCT	1380	QY
QY	1395	TGCTTCAGACATGAGCTGGATGAGCTGAGGAGCTGAGGAGCTGAGCTGG	1454	Db
Db	1381	TGCTTCAGACATGAGCTGGATGAGCTGAGGAGCTGAGGAGCTGAGCTGG	1440	QY
QY	1455	CCACCTCCGACGCCAGGACAGACAGGAGCTGAGGAGCTGAGGAGCTGAG	1514	Db
Db	1441	CCACCTCCGACGCCAGGACAGACAGGAGCTGAGGAGCTGAGGAGCTGAG	1500	QY
QY	1515	TGCTCCCGGTTGCCAGGCTGCTCTGAGCTGCTCTGAGCTGCTCTGAGCTG	1574	Db
Db	1501	TGCTCCCGGTTGCCAGGCTGCTCTGAGCTGCTCTGAGCTGCTCTGAGCTG	1560	QY
QY	1575	GCTCTGGGCCAGGCTGCTCTGAGCTGCTCTGAGCTGCTCTGAGCTGCTAC	1634	Db
Db	1561	GCTCTGGGCCAGGCTGCTCTGAGCTGCTCTGAGCTGCTCTGAGCTGCTAC	1620	QY
QY	1635	CAGGAGTCTCTGAGAGCTGCTCTGAGCTGCTCTGAGCTGCTCTGAGCTG	1694	Db
Db	1621	CAGGAGTCTCTGAGAGCTGCTCTGAGCTGCTCTGAGCTGCTCTGAGCTG	1680	QY
QY	1695	ATTCAGTCCAGAGCTGGTGGTCCGAAACGGGAAGTACATAATGGGCATGGC	1754	Db
Db	1681	ATTCAGTCCAGAGCTGGTGGTCCGAAACGGGAAGTACATAATGGGCATGGC	1740	QY
QY	1755	CTCGTGAACAAATGGTGTCTGGCAATCTGAGCCAGAAGATGTTGCCCCAC	1814	Db
Db	1741	CTCGTGAACAAATGGTGTCTGGCAATCTGAGCCAGAAGATGTTGCCCCAC	1800	QY
QY	1815	TGAGATGCTGAGGGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1874	Db
Db	1801	TGAGATGCTGAGGGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1860	QY
QY	1875	CTGCCCTCCCTCCATCCCTACTCCACTCTGAGGGGGCATGGTCAAGGGT	1934	Db
Db	1861	CTGCCCTCCCTCCATCCCTACTCCACTCTGAGGGGGCATGGTCAAGGGT	1920	QY
QY	1935	CACACAATGTCGTCACCCCTGGGACACTCTGAGTATGAGGGGGGGGG	1994	Db
Db	1921	CACACAATGTCGTCACCCCTGGGACACTCTGAGTATGAGGGGGGGGG	1980	QY
QY	1995	ACTACATGGGGGAAAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	2025	Db
Db	1981	ACTACATGGGGGAAAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	2011	QY
QY	2051	GG	2050	Db
Db	2041	GG	2040	QY
QY	2111	GG	2110	Db
Db	2091	GG	2090	QY
QY	2161	GG	2160	Db
Db	2141	GG	2140	QY
QY	2211	GG	2210	Db
Db	2191	GG	2190	QY
QY	2261	GG	2260	Db
Db	2241	GG	2240	QY
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QY	2361	GG	2360	Db
Db	2341	GG	2340	QY
QY	2411	GG	2410	Db
Db	2391	GG	2390	QY
QY	2461	GG	2460	Db
Db	2441	GG	2440	QY
QY	2511	GG	2510	Db
Db	2491	GG	2490	QY
QY	2581	GG	2580	Db
Db	2561	GG	2560	QY
QY	2651	GG	2650	Db
Db	2631	GG	2630	QY
QY	2721	GG	2720	Db
Db	2701	GG	2700	QY
QY	2791	GG	2790	Db
Db	2771	GG	2770	QY
QY	2861	GG	2860	Db
Db	2841	GG	2840	QY
QY	2931	GG	2930	Db
Db	2911	GG	2910	QY
QY	3021	GG	3020	Db
Db	3001	GG	3000	QY
QY	3111	GG	3110	Db
Db	3091	GG	3090	QY
QY	3181	GG	3180	Db
Db	3161	GG	3160	QY
QY	3251	GG	3250	Db
Db	3231	GG	3230	QY
QY	3341	GG	3340	Db
Db	3321	GG	3320	QY
QY	3431	GG	3430	Db
Db	3411	GG	3410	QY
QY	3521	GG	3520	Db
Db	3501	GG	3500	QY
QY	3611	GG	3610	Db
Db	3591	GG	3590	QY
QY	3701	GG	3700	Db
Db	3681	GG	3680	QY
QY	3791	GG	3790	Db
Db	3771	GG	3770	QY
QY	3861	GG	3860	Db
Db	3841	GG	3840	QY
QY	3931	GG	3930	Db
Db	3911	GG	3910	QY
QY	4021	GG	4020	Db
Db	3991	GG	3990	QY
QY	4111	GG	4110	Db
Db	4081	GG	4080	QY
QY	4201	GG	4200	Db
Db	4171	GG	4170	QY
QY	4291	GG	4290	Db
Db	4261	GG	4260	QY
QY	4351	GG	4350	Db
Db	4321	GG	4320	QY
QY	4431	GG	4430	Db
Db	4401	GG	4400	QY
QY	4511	GG	4510	Db
Db	4481	GG	4480	QY
QY	4601	GG	4600	Db
Db	4571	GG	4570	QY
QY	4711	GG	4710	Db
Db	4681	GG	4680	QY
QY	4801	GG	4800	Db
Db	4771	GG	4770	QY
QY	4891	GG	4890	Db
Db	4861	GG	4860	QY
QY	4971	GG	4970	Db
Db	4941	GG	4940	QY
QY	5051	GG	5050	Db
Db	5021	GG	5020	QY
QY	5161	GG	5160	Db
Db	5131	GG	5130	QY
QY	5271	GG	5270	Db
Db	5241	GG	5240	QY
QY	5381	GG	5380	Db
Db	5351	GG	5350	QY
QY	5511	GG	5510	Db
Db	5481	GG	5480	QY
QY	5651	GG	5650	Db
Db	5621	GG	5620	QY
QY	5811	GG	5810	Db
Db	5781	GG	5780	QY
QY	5971	GG	5970	Db
Db	5941	GG	5940	QY
QY	6111	GG	6110	Db
Db	6081	GG	6080	QY
QY	6311	GG	6310	Db
Db	6281	GG	6280	QY
QY	6511	GG	6510	Db
Db	6481	GG	6480	QY
QY	6711	GG	6710	Db
Db	6681	GG	6680	QY
QY	6911	GG	6910	Db
Db	6881	GG	6880	QY
QY	7111	GG	7110	Db
Db	7081	GG	7080	QY
QY	7311	GG	7310	Db
Db	7281	GG	7280	QY
QY	7511	GG	7510	Db
Db	7481	GG	7480	QY
QY	7711	GG	7710	Db
Db	7681	GG	7680	QY
QY	8011	GG	8010	Db
Db	7981	GG	7980	QY
QY	8211	GG	8210	Db
Db	8181	GG	8180	QY
QY	8411	GG	8410	Db
Db	8381	GG	8380	QY
QY	8611	GG	8610	Db
Db	8581	GG	8580	QY
QY	8811	GG	8810	Db
Db	8781	GG	8780	QY
QY	9011	GG	9010	Db
Db	8981	GG	8980	QY
QY	9211	GG	9210	Db
Db	9181	GG	9180	QY
QY	9411	GG	9410	Db
Db	9381	GG	9380	QY
QY	9611	GG	9610	Db
Db	9581	GG	9580	QY
QY	9811	GG	9810	Db
Db	9781	GG	9780	QY
QY	10011	GG	10010	Db
Db	9981	GG	9980	QY
QY	10211	GG	10210	Db
Db	10181	GG	10180	QY
QY	10411	GG	10410	Db
Db	10381	GGGGGGGG		







Qy 1011 CCGCGAGAGCTCTTCCATCCCTGGAGCCCTTCCCTGACTCTCCAACTTGAGCT 1070  
 Db 543 CCCCCGAGACGTCCTCTCCATCCCTGGAGCCCTTCCCTGACTCTCCAACTTGAGCT 602  
 Qy 1071 CATTAGGCGAGCTGGGGAGAGGGCTGGCTTGACTGAGCTGGGGCTGGGGCTGG 1130  
 Db 603 CATTAGGCGAGCTGGGGAGAGGGCTGGCTTGACTGAGCTGGGGCTGGGGCTGG 662  
 Qy 1131 AGCAGGCTGGCTGGGGAGAGGGCTGGCTTGACTGAGCTGGGGCTGGGGCTGG 1190  
 Db 663 AGCAGGCTGGCTGGGGAGAGGGCTGGCTTGACTGAGCTGGGGCTGGGGCTGG 722  
 Qy 1191 TCTGGCTCAGATCTGAGATCTGAGATCCAGAGGGCTGGGGCTGGGGCTGGGGCTGG 1250  
 Db 723 TCTGGCTCAGATCTGAGATCTGAGATCCAGAGGGCTGGGGCTGGGGCTGGGGCTGG 782  
 Qy 1251 ATGGGAGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGG 1310  
 Db 783 ATGGGAGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGG 842  
 Qy 1311 CTAGAGACCTGAATTCAACAGCTAACAGCTAACAGCTAACAGCTAACAGCTAAC 1370  
 Db 843 CTAGAGACCTGAATTCAACAGCTAACAGCTAACAGCTAACAGCTAACAGCTAAC 902  
 Qy 1371 GACGTCAGCCCTTCAGAGCTCTGTTGAGAGCATGGCTTGGATGTCAGCAT 1430  
 Db 903 GACGTCAGCCCTTCAGAGCTCTGTTGAGAGCATGGCTTGGATGTCAGCAT 962  
 Qy 1431 CAGTGGAGAGAGCTGGACACCTGGACACCTGGACACAGAGCTGGACACGGTGA 1490  
 Db 963 CAGTGGAGAGAGCTGGACACCTGGACACCTGGACACAGAGCTGGACACGGTGA 1022  
 Qy 1491 GAGACTTCCTCCCTGGACGGCTTGGCTTGGCCAGAGCTGGACACAGAGCTGG 1550  
 Db 1023 GAGACTTCCTCCCTGGACGGCTTGGCTTGGCCACGGAGCTGGACACAGAGCTGG 1082  
 Qy 1551 AGACTCTCTTGTACACAGCTGGCTTGGACGGCTTGGCCACACGGCTCG 1610  
 Db 1083 AGACTCTCTTGTACACAGCTGGCTTGGACGGCTTGGCCACACGGCTCG 1142  
 Qy 1611 CCACTTCCCACTGCTCTACAGAGCTGGCTTGGCCACGGAGCTGGACACGGTGA 1670  
 Db 1143 CCACTTCCCACTGCTCTACAGAGCTGGCTTGGCCACGGAGCTGGACACGGTGA 1202  
 Qy 1671 CAACTCTGGCTTCACTGCTCTACAGAGCTGGCTTGGCCACGGAGCTGGACACGG 1730  
 Db 1203 CAACTCTGGCTTCACTGCTCTACAGAGCTGGCTTGGCCACGGAGCTGGACACGG 1262  
 Qy 1731 AAGTACATATTGGGCTGGCTCTGGCTCTGGCAATCTGAGCC 1790  
 Db 1263 AAGTACATATTGGGCTGGCTCTGGCAATCTGAGCC 1322  
 Qy 1791 CAGGACAGATGTGGCCACCTGGAGATGGCTGGAGATGGCTGGAGATGGCTGG 1850  
 Db 1323 CAGGACAGATGTGGCCACCTGGAGATGGCTGGAGATGGCTGGAGATGGCTGG 1382  
 Qy 1851 GCGAAGGGTGGAGGGCTGGCCACCTGGAGATGGCTGGAGATGGCTGGAGATGG 1910  
 Db 1383 GCGAAGGGTGGAGGGCTGGCCACCTGGAGATGGCTGGAGATGGCTGGAGATGG 1442  
 Qy 1911 TCTGGGGGGCTTGGCTGGAGGGCCACACTGGCTGGAGATGGCTGGAGATGG 1970  
 Db 1443 TCTGGGGGGCTTGGCTGGAGGGCCACACTGGCTGGAGATGGCTGGAGATGG 1502  
 Qy 1971 GATGAGACGGGAGCTTAACTACATGGGAAAGAAA 2018  
 Db 1503 GATGAGACGGGAGCTTAACTACATGGGAAAGAAA 1550

RESULT 10  
 MAX9764  
 ID MAX9764 standard; DNA, 1490 BP.

AC XX  
 AC AAX97964;  
 XX XX  
 DT XX  
 DE Human, secreted protein gene 49.  
 KW Human; secreted protein; cancer; tumour; developmental abnormality;  
 KW foetal deficiency; blood disorder; immune system disorder; inflammation;  
 KW autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;  
 KW schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;  
 KW atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;  
 KW digestive disorder; endocrine disorder; infection; AIDS; BB.  
 OS Homo sapiens.  
 PN W0993117-A1.  
 PD XX  
 PD 24-JUN-1999.  
 XX XX  
 PF 17-DEC-1998; 98WO-US27059.  
 PR XX  
 PR 19-DEC-1997; 97US-0068319.  
 PR PR  
 PR 18-DEC-1997; 97US-0068016.  
 PR PR  
 PR 18-DEC-1997; 97US-0068007.  
 PR PR  
 PR 18-DEC-1997; 97US-0068033.  
 PR PR  
 PR 18-DEC-1997; 97US-0068054.  
 PR PR  
 PR 18-DEC-1997; 97US-0068057.  
 PR PR  
 PR 18-DEC-1997; 97US-0068064.  
 PR PR  
 PR 18-DEC-1997; 97US-0070923.  
 PR PR  
 PR 19-DEC-1997; 97US-0068169.  
 PR PR  
 PR 19-DEC-1997; 97US-0068365.  
 PR PR  
 PR 19-DEC-1997; 97US-0068367.  
 PR PR  
 PR 19-DEC-1997; 97US-0068368.  
 PA XX  
 PA (HUMA-) HUMAN GENOME SCI INC.  
 PI Carter KC, Duan RD, Feng P, Ferrie AM, Florence C;  
 PI Florence K, Greene JM, Janat F, Kyaw H, Moore PA;  
 PI Ni J, Rosen CA, Ruben SM, Shi Y, Soppet DR, Wei Y;  
 PI Yu G;  
 XX DR  
 DR WPI; 1999-418749/35.  
 PR P-PSDB; AAY36272.  
 PR XX  
 PR New isolated human genes encoding secreted polypeptides  
 RS XX  
 RS Claim 1; Page 301; 53pp; English.  
 CC AAX97916 to AAX8029 represent 110 isolated human secreted protein  
 CC genes. AAY36224 to AAY36727 represent the secreted proteins encoded by  
 CC the 110 human genes. The genes and their corresponding secreted  
 CC polypeptides are useful for preventing, treating or ameliorating medical  
 CC conditions, e.g. by protein or gene therapy. Also pathological conditions  
 CC can be diagnosed by determining the amount of the new polypeptides in a  
 CC specific or by determining the presence of mutations in the new genes.  
 CC specific uses are described for each of the 110 genes, based on which  
 CC tissues they are most highly expressed in, and include developing  
 CC products for the diagnosis or treatment of cancer, tumours, developmental  
 CC abnormalities and foetal deficiencies, blood disorders, diseases of the  
 CC immune system, autoimmune diseases, inflammation, allergies, Alzheimer's  
 CC and cognitive disorders, schizophrenia, arthritis, asthma, psoriasis,  
 CC sepsis, skin disorders, atherosclerosis, diabetes, cardiovascular  
 CC disorders, kidney disorders, digestive/endocrine disorders, infections  
 CC and AIDS. The polypeptides are also useful for identifying their binding  
 CC partners. The sequences given in AAX7907 to AAX7915 and AAY36223 are  
 XX used in the exemplification of the present invention.

SQ Sequence 1490 BP; 318 A; 468 C; 399 G; 302 T; 3 other;

Query Match 62.8%; Score 1284.6; DB 20; Length 1490;  
 Best Local Similarity 98.3%; Pred. No. 7.8e-257;

AC XX AAS97018;  
 XX DT 26-FEB-2002 (first entry)  
 XX DE DNA encoding human anticancer protein #8.  
 XX KW Human; anticancer; cancer; PCR primer; ss.  
 XX OS Homo sapiens.  
 XX PN CN1313298-A.  
 XX PD 19-SEP-2001.  
 XX PF 09-MAR-2000; 2000CN-0111949.  
 XX PR 09-MAR-2000; 2000CN-0111949.  
 XX (SHAN-) SHANGHAI INST ONCOLOGY.  
 XX PA  
 XX PI Gu J, Yang S;  
 XX DR WPI; 2002-042186/06.  
 XX DR P-PDB; RAAU2795.  
 XX PT Human protein able to suppress growth of cancer cells and its coding  
 XX sequence -  
 XX PS Disclosure; Page 29; 38pp; Chinese.  
 XX CC The invention relates to a human protein with cancer suppressing  
 CC function, and the polynucleotide encoding it. Also described is the  
 CC process for preparing the polypeptide by recombination, the application  
 CC of the polypeptide in treating diseases such as cancer, the antagonist of  
 CC the polypeptide and its medical function, and the application of the  
 CC polynucleotide. AAS97018-AAS97043 represent human anticancer coding  
 CC sequences and PCR primers of the invention.  
 XX SQ Sequence 1188 BP; 241 A; 374 C; 322 G; 251 T; 0 other;  
 Query Match 56.5%; Score 1155.8; DB 24; Length 1188;  
 Best Local Similarity 98.6%; Pred. No. 3.7e-230; Indels 0; Gaps 0;  
 Matches 1166; Conservative 0; Mismatches 0;  
 OY 862 GAACACCCCGGCTTGAAGCCTCACCACTGCCCCAGGGATAACCCGAGGCCAAGTCAGG 921  
 1 GAAACCCCGGCTTGAAGCCTCACCACTGCCCCAGGGATAACCCGAGGCCAAGTCAGG 60









Db	601	TGGATCTGGAGGATCTCTGCTGCTCCCTCATCTGGCTCTGGTGTACAGCAAGGGAG	650	CC
QY	802	GCACCTCTAACCCCGTGGCCAGAGCTGGGATGAGACAACTCAAGGATT	861	CC
Db	661	GCACCTCTAACCCCGTGGCCAGAGCTGGGATGAGACAACTCAAGGATT	720	CC
QY	862	GAAACCCCGGCTTGAACCTCACACCTGGGAGATACCGGAGCAAGGGAG	921	CC
Db	721	GAAACCCCGGCTTGAACCTCACACCTGGGAGATACCGGAGCAAGGGAG	780	CC
QY	922	CACCCCTGCTATGTGCTGCCAGGGAGCTTGACTCTGGGATACCGGAGCAAGGGAG	981	CC
Db	781	CACCCCTGCTATGTGCTGCCAGGGAGCTTGACTCTGGGATACCGGAGCAAGGGAG	840	CC
QY	982	GAGCCAGACCCCGTGGCTCAAGGCGAGAGCTTGACTCTGGGATACCGGAGCAAGGGAG	1041	CC
Db	841	GAGCCAGACCCCGTGGCTCAAGGCGAGAGCTTGACTCTGGGATACCGGAGCAAGGGAG	900	CC
Db	901	CTGTCCTGACTCTCAACATTGAGTCATC	933	CC
RESULT 15				CC
ABA0061/C				CC
ID	ABA0061	standard; cDNA; 6197 BP.		CC
XX				CC
AC	ABA0061;			CC
XX				CC
DT	25-OCT-2002	(first entry)		CC
XX				CC
DE	CADHP-8	coding sequence, Incyte ID No: 4099073CB1.		CC
XX				CC
KW	Gene; human; cell adhesion protein; CADHP; AIDS; Alzheimer's disease; acquired immunodeficiency syndrome; thymic dysplasia; epilepsy; renal tubular acidosis; congenital glaucoma; cancer; atherosclerosis; Parkinson's disease; ss.			CC
KW	Parkinson's disease; ss.			CC
OS	Homo sapiens.			CC
FR	Location/Qualifiers			CC
PT	1149..6008			CC
PT	/tag= a			CC
PT	/product= "CADHP-8"			CC
XX	WO200259312-A2.			CC
XX	01-AUG-2002.			CC
XX	18-DEC-2001; 2001WO-US49206.			CC
XX	18-DEC-2000; 2000US-266542P.			CC
PR	22-DEC-2000; 2000US-258604P.			CC
PR	05-JAN-2001; 2001US-260101P.			CC
XX				CC
PA	(INCY-) INCITE GENOMICS INC.			CC
XX				CC
PT	Duggan BM, Xu Y, Lee BA, Lee S, Lu DAM, Warren BA, Yue H, Dietzen KJ, Honchell CD, Burford N, Baughn MR, Tang TY, Hillman JL, Gondhi AR, Kallick DA, Bandman O, Graul RC, Walla NK, Lu Y, Ramkumar J, Yao MG, Lal PG; WPI; 2002-590826/63.			CC
DR	P-PSDB; AAG79419.			CC
XX	New human cell adhesion proteins (CADHP) useful for treating, diagnosing and preventing diseases or conditions associated with the aberrant CADHP expression e.g. cancer, acquired immunodeficiency syndrome, Alzheimer's disease and epilepsy.			CC
PS	Claim 5; Page 144-45; 149pp; English.			CC

Qy	778	CTCCCTGGTCTCAAGCAAGCAGG--CAGCCTCCACCCCGTACCCAGGCTGGTC	835
Db	230	CTCCCTGGTCTCAAGCAAGCAGGCGAGGCTCCACCGGGGCTGGGG	171
Qy	836	CGATGG 841	
Db	170	GGCTGG 165	

Search completed: January 8, 2004, 17:50:28  
Job time : 540 secs

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OM protein - protein search, using SW model

Run on: January 8, 2004, 17:50:35 ; Search time 71 Seconds

695.267 Million cell updates/sec

Title: US-10-006-485a-140

Perfect score: 1651

Sequence: 1 MGVUPRLLEAGSSWRWGSSLILFA.....GDVFFPPLDVPDSPNPEVI 311

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1107863 seqs; 158726573 residues

Total number of hits satisfying chosen parameters:

1107863

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

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A\_Geneseg\_19Jun03;\*

1: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA1980.DAT:\*

2: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA1981.DAT:\*

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10: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA1989.DAT:\*

11: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA1990.DAT:\*

12: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA1991.DAT:\*

13: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA1992.DAT:\*

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15: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA1994.DAT:\*

16: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA1995.DAT:\*

17: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA1996.DAT:\*

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20: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA1999.DAT:\*

21: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA2000.DAT:\*

22: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA2001.DAT:\*

23: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA2002.DAT:\*

24: /SIDS1/gcdata/geneseq/geneseqp-emb1/AA2003.DAT:\*

RESULT 1		ALIGNMENTS	
XX	AYY99381	TD AYY99381 standard; Protein; 311 AA.	
XX	AC AYY99381;		
XX	DT 08-AUG-2000 (first entry)		
XX	DE Human PRO1412 (UNQ730) amino acid sequence SEQ ID NO:140.		
XX	KW Human; PRO polypeptide; membrane bound protein; receptor; diagnosis; transmembrane; secretion; immunoadhesion; pharmaceutical; screening; OS Homo sapiens.		
XX	PN WO200012708-A2.		
XX	PD 09-MAR-2000.		
XX	PP 01-SEP-1999; 99WO-US20111.		
XX	PR 01-SEP-1998; 98US-0098716.		
PR	01-SEP-1998; 98US-0098749.		
PR	01-SEP-1998; 98US-0098750.		
PR	02-SEP-1998; 98US-0098803.		
PR	02-SEP-1998; 98US-0098821.		
PR	02-SEP-1998; 98US-0098843.		
PR	09-SEP-1998; 98US-0095536.		
PR	09-SEP-1998; 98US-009556.		
PR	09-SEP-1998; 98US-0095598.		
PR	09-SEP-1998; 98US-0099602.		
PR	09-SEP-1998; 98US-0099642.		

Novel human diago  
Human hydrophobic  
Human ORFX ORF84  
Fragment of human  
Human Secreted pro  
Fragment of human  
BS11-Ig fusion con  
Human NOV4 protein  
Human PRO86 prote  
Human PRO86 (UNQ3  
Human membrane cha  
Human PRO polypept  
Human SCV2. Homo  
Human PRO86 prote  
Human secreted/tra  
Novel human secret  
Human secreted/tra  
Human PRO86 poly  
Human PRO86 poly  
Human B7-4 protei  
Murine B7-4 protei  
Murine B7-4 ligand  
Murine PD-1 ligand  
Murine PD-1 ligand  
Murine PD-1 prote  
Murine PD-1 prote  
Human Sbg2487831a  
Novel human diagno  
Mouse TANGO 509 am  
Mouse TANGO 509, v

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1651	100.0	311	21 AAY99381
2	1651	100.0	311	22 ABB65130
3	1651	100.0	311	23 ABB84915
4	1651	100.0	311	23 ABB84915
5	1651	99.8	311	22 AAB31676
6	1647	99.8	311	21 AY87247
7	1640	99.3	311	21 AY87247
8	1630	62.4	193	23 ABB7013
9	1631	56.4	179	23 ABU1286
931				CDNA encoding huma

PR	10-SEP-1998;	98US-0099754.	PR	27-OCT-1998;	98US-0105881.
PR	10-SEP-1998;	98US-0109753.	PR	27-OCT-1998;	98US-0105882.
PR	10-SEP-1998;	98US-0099792.	PR	27-OCT-1998;	98US-0106062.
PR	10-SEP-1998;	98US-0099808.	PR	28-OCT-1998;	98US-0106023.
PR	10-SEP-1998;	98US-0099812.	PR	28-OCT-1998;	98US-0106030.
PR	10-SEP-1998;	98US-0099815.	PR	28-OCT-1998;	98US-0106032.
PR	10-SEP-1998;	98US-0100661.	PR	28-OCT-1998;	98US-0106035.
PR	10-SEP-1998;	98US-0100662.	PR	28-CT-1998;	98US-0106178.
PR	15-SEP-1998;	98US-0100388.	PR	28-OCT-1998;	98US-0106248.
PR	15-SEP-1998;	98US-0100390.	PR	29-OCT-1998;	98US-0106384.
PR	16-SEP-1998;	98US-0100584.	PR	29-OCT-1998;	98US-0108500.
PR	16-SEP-1998;	98US-0100627.	PR	30-OCT-1998;	98US-0106454.
PR	16-SEP-1998;	98US-0100711.	PR	03-NOV-1998;	98US-0106533.
PR	17-SEP-1998;	98US-0100919.	PR	03-NOV-1998;	98US-0106502.
PR	17-SEP-1998;	98US-0100930.	PR	03-NOV-1998;	98US-0106905.
PR	17-SEP-1998;	98US-0100848.	PR	03-NOV-1998;	98US-01106919.
PR	18-SEP-1998;	98US-0100849.	PR	03-NOV-1998;	98US-0108532.
PR	18-SEP-1998;	98US-0101014.	PR	03-NOV-1998;	98US-0106934.
PR	18-SEP-1998;	98US-0101068.	PR	10-NOV-1998;	98US-0106934.
PR	18-SEP-1998;	98US-0101279.	PR	17-NOV-1998;	98US-0108775.
PR	22-SEP-1998;	98US-0101471.	PR	17-NOV-1998;	98US-0108779.
PR	23-SEP-1998;	98US-0101471.	PR	17-NOV-1998;	98US-0108779.
PR	23-SEP-1998;	98US-0101472.	PR	17-NOV-1998;	98US-0108788.
PR	23-SEP-1998;	98US-0101474.	PR	17-NOV-1998;	98US-0108801.
PR	23-SEP-1998;	98US-0101475.	PR	17-NOV-1998;	98US-0108802.
PR	23-SEP-1998;	98US-0101476.	PR	17-NOV-1998;	98US-0108806.
PR	23-SEP-1998;	98US-0101477.	PR	17-NOV-1998;	98US-0108807.
PR	23-SEP-1998;	98US-0101479.	PR	17-NOV-1998;	98US-0108867.
PR	23-SEP-1998;	98US-0101738.	PR	17-NOV-1998;	98US-0108825.
PR	24-SEP-1998;	98US-0101741.	PR	18-NOV-1998;	98US-0108848.
PR	24-SEP-1998;	98US-0101743.	PR	18-NOV-1998;	98US-0108849.
PR	24-SEP-1998;	98US-0101915.	PR	18-NOV-1998;	98US-0108850.
PR	24-SEP-1998;	98US-0102240.	PR	18-NOV-1998;	98US-0108851.
PR	29-SEP-1998;	98US-0102307.	PR	18-NOV-1998;	98US-0108852.
PR	29-SEP-1998;	98US-0102330.	PR	18-NOV-1998;	98US-0108858.
PR	30-SEP-1998;	98US-0102484.	PR	18-NOV-1998;	98US-0108904.
PR	30-SEP-1998;	98US-0102487.	DR	WPI;	2000-237871/20.
PR	30-SEP-1998;	98US-0102570.	DR	N-PSDB;	AA37063.
PR	30-SEP-1998;	98US-0102571.	XX	Claim 12; FIG 84;	773pp; English.
PR	01-OCT-1998;	98US-0102684.	XX	New mammalian DNA sequences encoding transmembrane, receptor or secreted PRO polypeptides, useful for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interactions	or
PR	02-OCT-1998;	98US-0102965.	XX	Claim 12; FIG 84;	773pp; English.
PR	06-OCT-1998;	98US-0103258.	CC	AA37022 to AA37144 encode the new isolated human transmembrane, receptor or secreted PRO polypeptides given in AA37340 to AA39462. The	or
PR	07-OCT-1998;	98US-0103449.	CC	transmembrane and receptor PRO proteins can be used for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interactions. The polypeptides and nucleotide sequence	or
PR	07-OCT-1998;	98US-0103314.	CC	encoding then have various industrial applications, including uses as pharmaceutical and diagnostic agents. AA37145 to AA37340 represent PCR primers and hybridisation probes used in the isolation of the PRO	or
PR	07-OCT-1998;	98US-0103328.	CC	polypeptides from the present invention.	or
PR	07-OCT-1998;	98US-0103395.	SQ	Sequence 311 AA;	
PR	07-OCT-1998;	98US-0103396.	Query Match	100.0%;	Score 1651; DB 21; length 311;
PR	07-OCT-1998;	98US-0103401.	Best Local Similarity	100.0%;	Pred. No. 1; 1e-137;
PR	07-OCT-1998;	98US-0103633.	Matches	0;	Mismatches 0; Indels 0; Gaps 0;
PR	08-OCT-1998;	98US-0103678.			
PR	08-OCT-1998;	98US-0103679.			
PR	08-OCT-1998;	98US-0103711.			
PR	14-OCT-1998;	98US-0104257.			
PR	20-OCT-1998;	98US-0104987.			
PR	20-OCT-1998;	98US-0105000.			
PR	20-OCT-1998;	98US-0105002.			
PR	21-OCT-1998;	98US-0105104.	QY	1 MGVTALAEAGSWSRGSLSLPAELAASLGPAVKAVATYSLVYCPESGQNTLTCRLGV	60
PR	22-OCT-1998;	98US-0105169.	Db	1 MGVTALAEAGSWSRGSLSLPAELAASLGPAVKAVATYSLVYCPESGQNTLTCRLGV	60
PR	22-OCT-1998;	98US-0105266.			
PR	26-OCT-1998;	98US-0105693.			
PR	26-OCT-1998;	98US-0105694.	QY	61 DKGHDVTFKTYWRSRSGEVTQTCBRRPRLNFTQDLHJHGQANTSHDIAQRHGL	120

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xx	Query	Match	100.0%; Score 1651; DB 22; Length 311;
xx	Db	Best Local Similarity	100.0%; Pred. No. 1.1e-137;
xx	Qy	Matches	0; Mismatches 0; Index 0; Gaps 0;
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xx	Qy	1 MGVPTAILEAGSRWRGSILFLAASLGPGVAPKVTPTYSILVCPGCONVLTICRIGPV 60	
xx	Db	181 YPSSQDSENTITAALTAGCTIVGILCILPLILLYVKORQAASNRRQELVMDNSNQGI 240	
xx	Qy	181 YPSSQDSENTITAALTAGCTIVGILCILPLILLYVKORQAASNRRQELVMDNSNQGI 240	
xx	Db	241 ENPGFEASPPAQGIPKVKRPLSYVAQROPSSEGRHLSESTPLSPPGDVFPPSLD 300	
xx	Qy	241 ENPGFEASPPAQGIPKVKRPLSYVAQROPSSEGRHLSESTPLSPPGDVFPPSLD 300	
xx	Db	301 PVPDSPNFEVI 311	
xx	Qy	301 PVPDSPNFEVI 311	
xx	Db	61 DKGHDVTPKTYKWRSSRGEVOTCSEPRPIRNLTDGLYCCILVWEIRHHSEHRVGAMELQVOTGKDAPSNCV 120	
xx	Qy	61 DKGHDVTPKTYKWRSSRGEVOTCSEPRPIRNLTDGLYCCILVWEIRHHSEHRVGAMELQVOTGKDAPSNCV 120	
xx	Db	121 SASDHGNFSITMNRNLTILDGLYCCILVWEIRHHSEHRVGAMELQVOTGKDAPSNCV 180	
xx	Qy	121 SASDHGNFSITMNRNLTILDGLYCCILVWEIRHHSEHRVGAMELQVOTGKDAPSNCV 180	
xx	Db	181 YPSSQDSENTITAALTAGCTIVGILCILPLILLYVKORQAASNRRQELVMDNSNQGI 240	
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xx	Db	241 ENPGFEASPPAQGIPKVKRPLSYVAQROPSSEGRHLSESTPLSPPGDVFPPSLD 300	
xx	Qy	241 ENPGFEASPPAQGIPKVKRPLSYVAQROPSSEGRHLSESTPLSPPGDVFPPSLD 300	
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xx	Qy	301 PVPDSPNFEVI 311	
xx	Db	RESULT 2	
xx	Qy	1 MGVPTAILEAGSRWRGSILFLAASLGPGVAPKVTPTYSILVCPGCONVLTICRIGPV 60	
xx	Db	1 MGVPTAILEAGSRWRGSILFLAASLGPGVAPKVTPTYSILVCPGCONVLTICRIGPV 60	
xx	Qy	181 YPSSQDSENTITAALTAGCTIVGILCILPLILLYVKORQAASNRRQELVMDNSNQGI 240	
xx	Db	181 YPSSQDSENTITAALTAGCTIVGILCILPLILLYVKORQAASNRRQELVMDNSNQGI 240	
xx	AC	AAB66130;	
xx	AC	02-APR-2001 (first entry)	
xx	DE	Protein of the invention #42.	
xx	KW	Secreted; transmembrane; gene therapy.	
xx	OS	Unidentified.	
xx	OS	Unidentified.	
xx	PN	W0200078951-A1.	
xx	PD	28-DEC-2000.	
xx	PP	18-FEB-2000; 2000WO-US04342.	
xx	PD	28-DEC-2000.	
xx	PP	23-JUN-1999; 99US-0141037.	
xx	PR	20-JUL-1999; 99US-0144758.	
xx	PR	26-JUL-1999; 99US-0145638.	
xx	PR	01-SEP-1999; 99WO-US20111.	
xx	PR	25-OCT-1999; 99US-0162506.	
xx	PR	30-NOV-1999; 99WO-US28313.	
xx	PR	02-DEC-1999; 99WO-US28551.	
xx	PR	16-DEC-1999; 99WO-US3005.	
xx	PR	05-JAN-2000; 2000WO-US00219.	
xx	PR	06-JAN-2000; 2000WO-US00376.	
xx	(GETH ) GENENTECH INC.		
xx	PI	Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S, Gao W, Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ, Pan J, Ponzi NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;	
xx	PI	WPI: 2001-071395/08.	
xx	PT	Secreted and transmembrane proteins and nucleic acids designated PRO, useful as hybridization probes, in chromosome and gene mapping and gene therapy -	
xx	PS	Claim 1; Fig.84; 787PP; English.	
xx	CC	The present invention relates to secreted and transmembrane proteins. These proteins and the DNA encoding them may be used as hybridization probes, in chromosome and gene mapping and in the generation of anti-sense RNA and DNA. They may also be used to generate either transgenic animals or knockout animals which are in turn useful for development and screening of therapeutically useful reagents. The nucleic acids may also be used in gene therapy.	

PR 20-DEC-2000; 2000WO-US34956.  
 PR 22-JAN-2001; 2001US-0767609.  
 PR 28-FEB-2001; 2001WO-US06520.  
 PR 28-FEB-2001; 2001WO-US06666.  
 PR 01-MAR-2001; 2001US-0802706.  
 PR 09-MAR-2001; 2001US-0802706.  
 PR 14-MAR-2001; 2001US-0806689.  
 PR 22-MAR-2001; 2001US-0816744.  
 PR 05-APR-2001; 2001US-0823366.  
 PR 10-MAY-2001; 2001US-0854208.  
 PR 10-MAY-2001; 2001US-0854280.  
 PR 25-MAY-2001; 2001US-0866034.  
 PR 25-MAY-2001; 2001WO-US17092.  
 PR 0-MAY-2001; 2001US-0870574.  
 PR 30-MAY-2001; 2001WO-US1443.  
 PR 01-JUN-2001; 2001WO-US17800.  
 PR 20-JUN-2001; 2001WO-US16692.  
 PR 28-JUN-2001; 2001WO-US00000.  
 XX (GEETH ) GENENTECH INC.  
 PA (BAKE/ ) BAKER K P.  
 PA (FEIR/ ) FERRARA N.  
 PA (GERB/ ) GERBER H.  
 PA (GERR/ ) GERRITSEN M E.  
 PA (GODD/ ) GODDARD A.  
 PA (GODO/ ) GODOWSKI P J.  
 PA (GURE/ ) GURNEY A L.  
 PA (HILL/ ) HILLIAN K J.  
 PA (MARS/ ) MARSTERS S A.  
 PA (MARS/ ) MARSTERS S A.  
 PA (PAN/ ) PAN J.  
 PA (PAON/ ) PAONI N F.  
 PA (STEP/ ) STEPHAN J F.  
 PA (WATR/ ) WATANABE C K.  
 PA (WILL/ ) WILLIAMS P M.  
 PA (WOOD/ ) WOOD W I.  
 XX  
 PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A, Pan J, Paoni NF, Stephan JR, Watanabe CK, Williams PM, Wood WI, Ye W;  
 PI Stephan JR, Watanabe CK, Williams PM, Wood WI, Ye W;  
 XX  
 DR WPI: 2002-17199/22.  
 DR N-PSDB; ABL95659.  
 XX  
 PT One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal -  
 XX  
 PS Claim 11; Fig 198; 567pp; English.  
 XX  
 The present invention provides the protein and coding sequences of human PRO proteins. These are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder, including cardiac hypertrophy, trauma, cancer, age-related macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The present sequence is a PRO protein of the invention.  
 XX  
 SQ Sequence 311 AA;

Query Match 100%; Score 1651; DB 23; Length 311;  
 Best Local Similarity 100.0%; Pred. No. 1.le-137;  
 Matches 311; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 1 MGVPPTAEGAGWNGSLPAPLFAASLGPAVAKVAPYSLIVCPEAGVNTVTCRLGPV 60  
 1 MGVPPTAEGAGWNGSLPAPLFAASLGPAVAKVAPYSLIVCPEAGVNTVTCRLGPV 60  
 61 DKHDVVTYKWTSSRSEVOTCSRERRPDRNLPDMLHGGHQAAANTSHQALQHGLE 120  
 61 DKHDVVTYKWTSSRSEVOTCSRERRPDRNLPDMLHGGHQAAANTSHQALQHGLE 120

PR 121 SASDHGHSPTMRNLTLDGLYCCVNEIRHHHSERVHGAMELQVGTQKDAPSNCV 180  
 PR 121 SASDHGHSPTMRNLTLDGLYCCVNEIRHHHSERVHGAMELQVGTQKDAPSNCV 180  
 PR 181 YPSSQDSENITAAALATGACTVGLCPLILLYVKKRQQAASNRAQELVRLDSNQGI 240  
 PR 181 YPSSQDSENITAAALATGACTVGLCPLILLYVKKRQQAASNRAQELVRLDSNQGI 240  
 PR 241 ENPGEFAAPPQGIPPEAKVHPLSYVACRQPSBSGRHILSERPSTPLSPPGPQDVFRPSID 300  
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 PR 301 PVPDSPNFEVTI 311  
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QY RESULT 4  
 ID ABB84915  
 ID ABB84915 Standard; Protein; 311 AA.  
 XX  
 AC ABB84915;  
 XX  
 DT 16-MAY-2002 (first entry)  
 XX  
 DB Human PRO1412 protein sequence SEQ ID NO:198.  
 XX  
 KW Human; angiogenesis; cardiant; cytosatic; antiangiogenic; hypotensive; vulnerability; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma; gene therapy; cardiovascular disorder; endothelial disorder; cancer; angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension; age related macular degeneration; arterial restenosis; angina; rheumatoid arthritis; myocardial infarction; thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma; wound healing; chromosome mapping; gene mapping.  
 XX  
 OS Homo sapiens.  
 XX  
 WO200200590-A2.  
 XX  
 PD 03-JAN-2002.  
 XX  
 PR 20-JUN-2001; 2001WO-US19692.  
 XX  
 PR 23-JUN-2000; 2000US-213637P.  
 PR 20-JUL-2000; 2000US-218556P.  
 PR 25-JUL-2000; 2000US-220624P.  
 PR 25-JUL-2000; 2000US-220664P.  
 PR 25-JUL-2000; 2000WO-US20710.  
 PR 02-AUG-2000; 2000US-22695P.  
 PR 17-AUG-2000; 2000US-0643657.  
 PR 23-AUG-2000; 2000WO-US21522.  
 PR 24-AUG-2000; 2000WO-US23328.  
 PR 07-SEP-2000; 2000US-23078P.  
 PR 18-SEP-2000; 2000US-066610.  
 PR 18-SEP-2000; 2000US-065350.  
 PR 24-OCT-2000; 2000US-24222P.  
 PR 08-NOV-2000; 2000US-070238.  
 PR 08-NOV-2000; 2000WO-US30952.  
 PR 10-NOV-2000; 2000WO-US30873.  
 PR 01-DEC-2000; 2000WO-US32678.  
 PR 20-DEC-2000; 2000US-0747259.  
 PR 20-DEC-2000; 2000WO-US34956.  
 PR 22-JAN-2001; 2001US-0767609.  
 PR 28-FEB-2001; 2001US-079498.  
 PR 28-FEB-2001; 2001WO-US06520.  
 PR 01-MAR-2001; 2001WO-US06666.  
 PR 09-MAR-2001; 2001US-0802706.  
 PR 14-MAR-2001; 2001US-0806689.  
 PR 22-MAR-2001; 2001US-0816744.  
 PR 05-APR-2001; 2001US-0823366.  
 PR 10-MAY-2001; 2001US-0854208.  
 PR 10-MAY-2001; 2001US-0854280.

PR 25-MAY-2001; 2001US-0866028.  
 PR 25-MAY-2001; 2001US-0866034.  
 PR 30-MAY-2001; 2001US-0870574.  
 PR 30-MAY-2001; 2001WO-US17800.  
 XX (GETH ) GENENTECH INC.  
 PA Baker KP, Parrara N, Gerber H, Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Hillian JW, Marsters SA, Pan J, Paonni NF, Stephan JP, Watanaabe CK, Williams PM, Wood WI, Ye W; DR WPI; 2002-090516-12.  
 XX N-PSDB; ABL88170.  
 XX One hundred and eighty seven nucleic acids encoding PRO polypeptides useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal -  
 XX  
 PS Claim 11; Fig 198; 565pp; English.  
 PT ABL88072 to ABL88258 encode the PRO proteins given in ABB84817 to ABB85003. The PRO proteins and polynucleotides have cardiotropic, antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic activities, and can be used in gene therapy. The PRO polynucleotides, proteins, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-related macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO polynucleotides have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. ABL88259 to ABL88267 represent primers and probes used in the exemplification of the present invention.  
 XX SQ Sequence 311 AA;  
 PT Query Match 100.0%; Score 1651; DB 23; Length 311;  
 PT Best Local Similarity 100.0%; Pred. No. 1.1e-17;  
 PT Matches 311; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 PT  
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 CC 61 DKGHDPVTPKTMRSRSGVQTSERRPPIRNLTFQDILHGGHQANTSHDLAQHQL 120  
 CC 61 DKGHDPVTPKTMRSRSGVQTSERRPPIRNLTFQDILHGGHQANTSHDLAQHQL 120  
 CC 121 SASDHGHSPTTMRNLTDGSLYCLVIRHHHSERVHGMELQVQTGKDAKPSNCV 180  
 CC 121 SASDHGHSPTTMRNLTDGSLYCLVIRHHHSERVHGMELQVQTGKDAKPSNCV 180  
 CC 181 YPSSQDSENTTAAALAGTACTVGLICLPLILIVYKORQASNRRAELVMDNTQGI 240  
 CC 181 YPSSQDSENTTAAALAGTACTVGLICLPLILIVYKORQASNRRAELVMDNTQGI 240  
 CC 241 ENGPFEASPPAQGIPPEAKURHPLPSVYAQQRQPSSESGRHILSEFSTPLSPGPGDVPPSLD 300  
 CC 241 ENGPFEASPPAQGIPPEAKURHPLPSVYAQQRQPSSESGRHILSEFSTPLSPGPGDVPPSLD 300  
 CC 301 PVPDSPNFEVI 311  
 CC 301 PVPDSPNFEVI 311  
 CC 301 PVPDSPNFEVI 311  
 XX  
 PS  
 PT One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumours such as lung cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or liver tumour.  
 PT  
 PS  
 PS  
 XX  
 CC The invention relates to one hundred and twenty two nucleic acids encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides encode human secreted proteins. The PRO nucleic acids polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for diagnosing tumours, especially lung cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in pericyte cells, for stimulating the release of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human dermal fibroblast cells. The PRO polypeptide may also be used as molecular weight markers and for tissue typing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO protein sequences of the invention.  
 XX  
 Sequence 311 AA;

Query Match		100.0%	Score 1651; DB 23; Length 311;
Best Local Similarity		100.0%	Pred. No. 1. 1e-137;
Matches		0;	Mismatches 0; Indels 0; Gaps 0
1	MGVPTALBAGSWIWSLFLPLASLGRVAAFRVATPSLYCPEGQNVITCRLLGV	60	
0	MGVPTALBAGSWIWSLFLPLASLGRVAAFRVATPSLYCPEGQNVITCRLLGV	60	1 MGVPTALBAGSWIWSLFLPLASLGRVAAFRVATPSLYCPEGQNVITCRLLGV
51	DKGHDVTPKTKWTRSSRERVOTSERPPIRNLFDQDMLHSGHOANTSHDLOAHPGLE	12	. 51 DKGHDVTPKTKWTRSSRERVOTSERPPIRNLFDQDMLHSGHOANTSHDLOAHPGLE
61	DKGHDVTPKTKWTRSSRERVOTSERPPIRNLFDQDMLHSGHOANTSHDLOAHPGLE	12	61 DKGHDVTPKTKWTRSSRERVOTSERPPIRNLFDQDMLHSGHOANTSHDLOAHPGLE
121	SASDHGNGSITMENLTJDGSYKCYCLVEIRHHSERVHGMELQQTGKDAPSNCVV	18	121 SASDHGNGSITMENLTJDGSYKCYCLVEIRHHSERVHGMELQQTGKDAPSNCVV
121	SASDHGNGSITMENLTJDGSYKCYCLVEIRHHSERVHGMELQQTGKDAPSNCVV	18	121 SASDHGNGSITMENLTJDGSYKCYCLVEIRHHSERVHGMELQQTGKDAPSNCVV
181	YPRSSQDSSENITAAALATRACTACTIVGILCILPILLIIVYKORQQAASNRRAQBLVENDSNIQGI	24	181 YPSSQDSSENITAAALATRACTACTIVGILCILPILLIIVYKORQQAASNRRAQBLVENDSNIQGI
241	ENPGEFAASPAQIPEAKRPHPSYVADQPSSEGRHULSPSTPLSPGQDVRPSLD	30	241 ENPGEFAASPAQIPEAKRPHPSYVADQPSSEGRHULSPSTPLSPGQDVRPSLD
241	ENPGEFAASPAQIPEAKRPHPSYVADQPSSEGRHULSPSTPLSPGQDVRPSLD	30	241 ENPGEFAASPAQIPEAKRPHPSYVADQPSSEGRHULSPSTPLSPGQDVRPSLD
301	PVPDSPNPEVI 311		301 PVPDSPNPEVI 311
301	PVPDSPNPEVI 311		301 PVPDSPNPEVI 311
RESULT 6			
AAB31675			
AAB31676	standard; Protein; 311 AA.		
C			
X			
K			
X			
T			
X			
E			
X			
D			
AAB31676;			
C			
X			
T			
X			
30-APR-2001 (first entry)			
X			
T			
X			
Amino acid sequence of a human protein having a hydrophobic domain.			
Human; hydrophobic protein; secretory protein; membrane protein; sepsis; tumour inhibition; immune deficiency; autoimmune disorder; anaemia; burn; infection; disease; cancer; ulcer; periodontal disease; coagulation; Parkinson's disease; fertility; immune response; thrombosis.			
Homo sapiens.			
WO200104297-A2.			
X			
X			
X			
D			
18-JAN-2001.			
X			
X			
16-JUN-2000; JP03942.			
X			
08-JUL-1999; 99JP-0194359.			
X			
(SAGA ) SAGAMI CHEM RES CENT.			
(PROT-) PROTEGENE INC.			
I			
Kato S, Kimura T;			
X			
R			
WPI; 2001-103081/11.			
X			
R			
N-PSDB; AAF25166, AAF25176.			
X			
Isolated human proteins and polynucleotides are used in research and have activities including cell proliferation/differentiation activity, immune stimulating activity and receptor/ligand activity -			
Claim 1; Page 102-104; 151PP; English.			
X			
CC			
CC			
The present sequence represents a human protein with hydrophobic domains. The protein possesses a hydrophobic domain and so is a secretory protein or a membrane protein. The protein is used as an antigen to prepare antibodies. The polynucleotide sequence is useful as a source of probes			

for genetic diagnosis. It is also useful for producing the protein in large quantities and for gene therapy. The eukaryotic cells are used for detecting the receptors or ligands corresponding to the protein and for detecting small novel pharmaceuticals. The antibodies are also used for detection, quantification and purification of the proteins. Both the protein and polynucleotide may be used in research or as nutritional sources or supplements. The protein may have cytokine and cell proliferation/differentiation activity, immune stimulating or suppressing activity, hematopoiesis regulating activity, tissue growth activity, activin/nibbin activity, chemotactic/chemokinetic activity, hemostatic and thrombolytic activity, receptor/ligand activity, anti-inflammatory activity and tumour inhibition activity. It may therefore may be used to treat immune deficiencies resulting from autoimmune disorders or infectious diseases, cancer, sepsis, anaemias, burns and ulcers, periodontal disease, Parkinson's disease, induce fertility, improve immune response and enhance coagulation or inhibit thrombosis.

**RESULT 7**  
 RAY87247  
 ID  
 RAY87247 standard; Protein; 311 Aa.  
 XX  
 AC  
 XX  
 AAY87247;  
 XX  
 DT 11-MAY-2000 (First entry)  
 XX  
 DE Human signal peptide containing protein HSPP-24 SEQ ID NO:24.  
 XX  
 KW Human; signal peptide-containing protein; HSPP; diagnosis; cancer;  
 inflammation; cardiovascular disease; anticancer; anti-inflammatory;  
 antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic;  
 KW antitussive; gene therapy; cell proliferation; neurological disorder;  
 reproductive disorder; developmental disorder; arteriosclerosis;  
 cirrhosis; psoriasis; acquired immune deficiency syndrome; anemia;  
 KW asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;  
 Parkinson's disease; Huntington's disease; ovulatory defect;  
 KW muscular dystrophy.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200000610-A2.  
 XX  
 PD 06-JAN-2000.

XX	25-JUN-1999;	99W0-US14484.	QY	301	PVFDSPNFEV1	311
XX	26-JUN-1998;	98US5-0090762.	Db	301	PVFDSPNFEV1	311
PR	31-JUL-1998;	98US5-0094983.				
PR	01-OCT-1998;	98US5-0126886.				
PR	11-DEC-1998;	98US5-0112129.				
XX	(INCY-) INCYTE PHARM INC.					
PI	Ial, P., Tang, Y.T., Gorgone, G.A., Corley, N.C., Guegler, K.J., Baughn, M.R., Akerblom, I.E., Au-Young, J., Rue, H., Patterson, C., Reddy, R., Hillman, J.L., Bandman, O.,	XX	ID	ABG70193	ABG70193 standard; Protein; 193 AA.	
PI	WPI; 2000-160673/14.	XX	AC	ABG70193;		
DR	DR	XX	DE	21-OCT-2002 (first entry)		
XX	New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular disease					
PS	Claim 1; Page 175; 327pp; English.	OS				
XX	AAZ98109 to AAZ98342 encode AAW87224 to AAW87357 which represent the human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, neuroprotective, cardiovascular and antitussive activities, and can be used in gene therapy. HSPPs can be used to treat or prevent disorders associated with decreased activity or function of HSPP. Antagonists of HSPP are used to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell proliferation (including cancer), inflammation, neurological, reproductive or developmental disorders, (e.g. arteriosclerosis, cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia, asthma, Crohn's disease, microbial or other infections, congestive or ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's disease), schizophrenia, muscular dystrophy. HSPP nucleic acids can be used for the recombinant production of HSPP, for detecting HSPP in standard hybridisation and amplification assays (for diagnosis and monitoring), in gene therapy, as antisense, triplex-forming or ribozyme therapeutics, for detecting related sequences or genetic variations, and for chromosomal mapping. HSPP are also used to raise specific antibodies (Ab) and to screen for agonists and antagonists (potential therapeutic agents). Ab are used to diagnose, or monitor, HSPP-related diseases (in usual immunoassays), Ab therapeutic antagonists, in competitive drug screens, and for purification of HSPP from natural sources.	CC				
SQ	Sequence 311 AA:	XX	PN	WQ200257303-A2.		
Query Match	99.3%; Score 1640; DB 21; length 311;	XX	PD	25-JUL-2002.		
Best Local Similarity	99.4%; Pred. No. 1.1e-136;	XX	PR	11-JAN-2002; 2002WO-EP0077.		
Matches	309; Conservative 1; Mismatches 1; Indels 0; Gaps 0;	XX	PR	12-JAN-2001; 2001US-261130P.		
QY	1 MGYPТАEAGSWNGSLIPLAFLAASLGPFVAAFKVATYSLVYCPESGONVLTICRLIGPV 60	XX	PA	(HYBR-) HYBRIGENICS.		
Db	1 MGVPTAPEBAGSWNGSLIPLAFLAASLGPFVAAFKVATYSLVYCPEGONVLTICRLIGPV 60	XX	PI	Legeain, P.		
QY	61 DKHHDVYTFKWTRSRERVQCSERPPRNLFDQDILHSGHOAANTSHDIAQRGLE 120	XX	DR	WPI; 2002-599706/64.		
Db	61 DKHHDVYTFKWTRSRERVQCSERPPRNLFDQDILHSGHOAANTSHDIAQRGLE 120	XX	PT	N-PSDB; ABSS51586.		
QY	121 SADSHGHWSTMRNLTLDSGJYCLVNEIRHHSEHVGAMELQQTGKDAPSNCV 180	XX	PT	New complex of protein-protein interactions between a bait Shigella flexneri polypeptide and a prey mammalian or human placenta polypeptide for treating or preventing bacillary dysentery in a mammal or human.		
Db	121 SADSHGHWSTMRNLTLDSGJYCLVNEIRHHSEHVGAMELQQTGKDAPSNCV 180	XX	PR	Claim 7; Page 124; 162pp; English.		
QY	181 YSSSSQSENTTAAALATGACTVGLCPPLILIVYKORQASNRQBLVRNDNSNQGI 240	XX	CC	The invention relates to a complex of protein-protein interactions between a Shigella flexneri polypeptide (e.g. ospB, ospD1, ipAD ipAC, ipA9, 8, ospG and ospC1) and a mammalian polypeptide defined in the specification. The complexes are formed using the yeast two-hybrid system. Also included are (1) a recombinant host cell expressing the interactions between the Shigella flexneri polypeptide and a mammalian polypeptide defined in the specification; (2) selecting a modulating compound that inhibits or activates the protein-protein interactions; (3) a modulating compound obtained from the method of (2); (4) a SID (Selected interacting domain) polypeptide or its fragment or variant comprising the human polypeptides appearing as ABG70042-ABG70242; (5) a SID polynucleotide or its fragment or variant comprising (6) a recombinant host cell containing the vector comprising (5); (7) a recombinant host cell containing the vector; and (10) a protein chip comprising Shigella flexneri polypeptide and a mammalian polypeptide defined in the specification. A pharmaceutical composition comprising the compound, polypeptide or polynucleotide is useful for treating or preventing shigellosis (bacillary dysentery) in a human or mammal. The present sequence represents a human prey protein isolated by the yeast two-hybrid assay, forming a complex of the invention with a shigella protein.		
Db	181 YFSSSQSENTTAAALATGACTVGLCPPLILIVYKORQASNRQBLVRNDNSNQGI 240	XX	CC	Sequence 193 AA:		
QY	241 ENGFGRASPPAQSICPEAKVHRPISYVAGOPSPSGRHLSESTPSLPPGDIYERPSID 300	XX	CC	Query Match 62.4%; Score 1030; DB 23; Length 193; Best Local Similarity 100.0%; Pred. No. 5.1e-83; Matches 193; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
Db	241 ENGPGEASPPAQSICPEAKVHRPISYVAGOPSPSGRHLSESTPSLPPGDIYERPSID 300	XX	CC	31 AAFKVATYSLVYCPEGQNYLTICRLIGPVTDKGHDVYTFKWTYSRERRPIR 90		

Db 1 AAKVQAPYSLVCPGQVNITCRUIGPVKGHDVTFYKTYRSRGEVQTCSEERR 60

Qy 91 NLTFQDHLHGGHQANTSDIAQHGLASDHGNGFSTMWLTLDSSGLCIVWE 150

Db 61 NLTFQDHLHGGHQANTSDIAQHGLASDHGNGFSTMWLTLDSSGLCIVWE 120

Qy 151 IRRHSEHRVIGAMELQVQTKDAPSNCVWIPSSQDSENNTAAATGAGCIVGILCPL 210

Db 121 IRRHSEHRVIGAMELQVQTKDAPSNCVWIPSSQDSENNTAAATGAGCIVGILCPL 180

Qy 211 ILLVYKQROAS 223

Db 181 ILLVYKQROAS 193

RESULT 9

ABU11286

ID ABU11286 Standard; Protein; 179 AA.

AC ABU11286;

XX

DT 10-FEB-2003 (first entry)

DB cDNA encoding human cancer suppressing protein PP7827.

XX Human; cancer suppressing protein; cancer.

XX Homo sapiens.

XX CN1351081-A.

XX

XX PR 31-OCT-2000; 2000CN-0127102.

XX PD 29-MAY-2002.

XX PA (SHAN-) SHANGHAI INST ONCOLOGY.

XX PI Gu J;

XX DR WPI; 2002-609437/66.

XX DR N-PSDB; ABB34032.

PT New human protein with cancer cell growth suppressing function and a polynucleotide encoding it, for treating diseases, such as, cancer -

PT XX Claim 1; Page 31 (disclosure); 39pp; Chinese.

PT This invention relates to the cDNA and protein sequences of a novel human protein with cancer suppressing function. The invention also comprises a method for preparing the polypeptide by recombination, and an application of the polypeptide in treating diseases such as cancer, etc. Also disclosed is an antagonist of the polypeptide and its medical action. The present sequence represents a cancer suppressing protein of the invention.

CC Sequence 179 AA;

CC Query Match 56.4%; Score 931; DB 23; Length 179;

CC Best Local Similarity 99.4%; Pred. No. 2.7e-74;

CC Matches 178; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 133 MRLTLLDGLYCLLWIRHHSEHRVIGAMELQVQTKDAPSNCVWIPSSQDSENNT 192

Db 1 MRLTLLDGLYCLLWIRHHSEHRVIGAMELQVQTKDAPSNCVWIPSSQDSENNT 60

Qy 193 AALATGAGCIVGILCPLILLVYKQROASNSRRAELVMDNSNIQENPFEASPAQ 252

Db 61 AALATGAGCIVGILCPLILLVYKQROASNSRRAELVMDNSNIQENPFEASPAQ 120

Qy 253 GPEAKVYRPLSYAQRQPSERGRHLISEPSTPLSPCPGDDVFFPSLDPVPDSPNPEV 311

Db 121 GPEAKVYRPLSYAQRQPSERGRHLISEPSTPLSPCPGDDVFFPSLDPVPDSPNPEV 179

RESULT 10

ABG03875

ID ABG03875 Standard; Protein; 1509 AA.

AC ABG03875;

XX

DT 13-FEB-2002 (first entry)

DB Novel human diagnostic protein #3866.

XX Human; chromosome mapping; gene mapping; gene therapy; forensic; food supplement; medical imaging; diagnostic; genetic disorder.

XX OS Homo sapiens.

XX PN WO200175067-A2.

XX PDD 11-OCT-2001.

XX PP 30-MAR-2001; 2001WO-US08631.

XX PR 31-MAR-2000; 2000US-0540217.

XX PR 23-AUG-2000; 2000US-0649167.

XX PA (HYSEB) HYSEQ INC.

XX Drmanac RT, Liu C, Tang YT;

XX WPI; 2001-639362/-13.

DR N-PSDB; AAS68062.

XX New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations, responsible for genetic disorders or other traits and to assess biodiversity -

XX PS Claim 20; SEQ ID No 34234; 103pp; English.

CC The invention relates to isolated polynucleotide (I) and polypeptide (II) sequences, (I) is useful as hybridisation probes, polymerase chain reaction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polynucleotides are also used in diagnostics as expressed sequence tags for identifying expressed genes. (I) is useful in gene therapy techniques to restore normal activity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (II) are useful for treating disorders involving aberrant protein expression or biological activity. The polypeptide and polynucleotide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and amino acid sequences. ABG0010-ABG33077 represent novel human diagnostic amino acid sequences of the invention.

CC Note: The sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from WIPO at [ftp.wipo.int/pub/published\\_pct\\_sequences](http://ftp.wipo.int/pub/published_pct_sequences).

XX SQ Sequence 1509 AA;

CC Query Match 53.8%; Score 889; DB 22; Length 1509;

CC Best Local Similarity 66.2%; Pred. No. 2.4e-69;

CC Matches 184; Conservative 14; Mismatches 38; Indels 42; Gaps 5;

Db 23 GPEAKVYRPLSYAQRQPSERGRHLISEPSTPLSPCPGDDVFFPSLDPVPDSPNPEV 82

QY 88 PIRNLTFODLHLRHGQANTSHDLAQRGLAESADHNGFSITMRNLTLLDGLYCLL 147  
 CC CC and purification of (I). Activities of (I) may include cytokine and cell  
 Db 83 PIRNLTFODLHLRHGQANTSHDLAQRGLAESADHNGFSITMRNLTLLDGLYCLL 142  
 CC CC proliferation/differentiation function; immune stimulating or suppressing  
 CC CC activity; haemopoiesis regulating activity; tissue growth activity;  
 CC CC activin/inhibin activity; chemotactic/chemokinetic activity; haemostatic  
 CC CC and thrombolytic activity; receptor/ligand activity and anti-inflammatory  
 QY 148 VVEJRRHHSERHVGAMELQVQTCGDAPSNCVWVPPSSDSE---NNTAAALATGACTV 203  
 CC CC activity. (I) and (II) can be used to treat autoimmune disorders e.g.  
 Db 143 VVEJRRHHSERHVGAMELQVQTCGDAPSNCVWVPPSSDSESNHGNNPRIHVSNGLMR 202  
 CC CC multiple sclerosis, HIV infections, anaemia, burns, ulcers, osteoporosis,  
 CC CC inflammatory bowel disease and tumours. (I) and (II) can also be used for  
 QY 204 GNLCLPLILLVYKORQASNRRAQELVNDNSIOTGIERFGRASPPAQGIPERAKVRPL 263  
 CC CC wound healing, as nutritional sources or supplements e.g. as amino acid,  
 Db 203 G-----PRFLDRENNSHVLIVEANHDLGPMRSVRAEKLROST 242  
 CC CC carbon or nitrogen source; to effect metabolism, catabolism, anabolism,  
 QY 264 SYVQ-----RQSESGRNLSESTPL 286  
 CC CC processing and utilisation of dietary fat, protein, carbohydrate,  
 CC CC vitamins and minerals, to effect behavioural characteristics, to affect  
 Db : : appetite, and can act as antigens in vaccines to raise an immune response  
 243 A-LAQHWTGTAQDRKQWPSRKPSCS--HILSKNLTDL 277

RESULT 11  
 AAB8583  
 ID AAB8583 standard; Protein; 168 AA.  
 XX  
 AC AAB8583;  
 XX  
 DT 04-JUN-2001 (first entry)  
 XX  
 DE Human hydrophobic domain containing protein clone HP10727 #67.  
 XX  
 KW Human; hydrophobic domain; immunosuppressant; anti-HIV; neuroprotective;  
 KW antidiabetic; vulnerary; antiulcer; osteopathic; anti-inflammatory;  
 KW cytostatic; gene therapy; autoimmune disorder; multiple sclerosis;  
 KW HIV infection; anaemia; burn; ulcer; osteoporosis; tumour; wound healing;  
 KW inflammatory bowel disease; nutritional supplement; appetite; vaccine;  
 KW behavioural characteristic; immune response.  
 OS Homo sapiens.  
 XX WO200112660-A2.  
 PN  
 XX  
 PD 22-FEB-2001.  
 XX  
 PR 10-AUG-2000; 2000WO-JP05356.  
 XX  
 PR 17-AUG-1999; 99JP-030344.  
 PR 07-SEP-1999; 99JP-035251.  
 PR 01-OCT-1999; 99JP-0281132.  
 PR 22-OCT-1999; 99JP-031624.  
 PR 04-NOV-1999; 99JP-0313877.  
 XX  
 PA (SAGA ) SAGAMI CHEM RES CENT.  
 PA (PROT-) PROTEGENE INC.  
 PI kato S, Kimura T;  
 XX  
 DR WPI; 2001-160059/16.  
 DR N-PSDB; AAF94463.

XX Human Proteins with hydrophobic domains and the DNAs which encode them  
 PT are useful for treating autoimmune disorders, burns and tumors and for  
 screening novel pharmaceuticals -  
 PS Claim 1; Page 358-359; 518PP; English.

XX AAF94417 to AAF94516 encode the human proteins given in AAB88557 to  
 CC AAB88605 (I) which have a hydrophobic domain. (I) have immunosuppressant,  
 anti-HIV, neuroprotective, antidiabetic, vulnerary, antiulcer,  
 osteopathic and cytostatic activities, and can be  
 used in gene therapy. (I) can be used as pharmaceuticals and as antigens  
 to prepare antibodies. DNA and cDNA (II) encoding (I) can be used as  
 probes for genetic diagnosis and gene sources for gene therapy or for  
 producing (I) in large quantities. Cells containing (II) are used for  
 the detection of ligands or receptors corresponding to membrane or  
 secretory proteins and to screen small molecule novel pharmaceuticals.

Query Match 47.5%; Score 783.5; DB 22; Length 168;  
 Best Local Similarity 53.7%; Pred. No. 2.7e-61; Indels 143; Gaps 1;  
 Matches 167; Conservative 1; Mismatches 0; Index 143; Gaps 1;  
 XX  
 AC AAB40620  
 XX  
 DT 06-FEB-2001 (first entry)  
 XX  
 DE Human ORFX ORFX polypeptide sequence SEQ ID NO:768.  
 XX  
 Human ORFX ORFX polypeptide sequence SEQ ID NO:768.  
 KW Human; open reading frame; ORFX; detection; cytotoxic; hepatotoxic;  
 KW vulnerary; antipsoriatic; anti-parkinsonian; nontropic; neuroprotective;  
 KW immunosuppressant; cardiotropic; anticardiac; antidiabetic;  
 KW anticonvulant; osteopathic; antiarthritic; immunosuppressive; antihypertensive;  
 KW hypotensive; dermatological; coagulant; vasotropics; antidiabetic;  
 KW antiviral; antibacterial; antifungal; -anti-rheumatic; antithyroid;  
 KW antidiabetic; gene therapy; cancer; proliferative disorder; hypertension;  
 KW neurodegenerative disorder; osteoarthritis; graft vs host disease;  
 KW immunosuppressant; thrombotic; coagulant; vasotropics; antidiabetic;  
 KW cardiovascular disease; diabetes mellitus; hypothyroidism; SCID; AIDS;  
 KW cholesterol ester storage; systemic lupus erythematosus; infection;  
 KW severe combined immunodeficiency; malaria; autoimmune disorder; asthma;  
 KW allergic; aplastic anaemia; nocturnal haemoglobinuria; burn; wound;  
 KW bone damage; cartilage damage; antinflammatory disease; coagulation;  
 KW thrombosis; contraceptive.  
 OS Homo sapiens.

124 634  
 124 728  
 11 1540 103



## RESULT 14

XX SQ Sequence 174 AA:

Query Match 8.2%; Score 136; DB 20; Length 174;

Best Local Similarity 87.5%; Pred. No. 0; 0.0005; Indels 0; Gaps 0;

ID AAY36272; AC XX

17-SEP-1999 (first entry)

XX DE Human secreted protein encoded by gene 49.

XX KW Human; secreted protein; cancer; tumour; developmental abnormality; foetal deficiency; blood disorder; immune system disorder; inflammation; autoimmune disease; allergy; Alzheimer's disease; cognitive disorder; schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder; atherosclerosis; diabetes; cardiovascular disorder; kidney disorder; digestive disorder; endocrine disorder; infection; AIDS.

XX OS Homo sapiens.

XX PN WO993117-A1.

XX PD 24-JUN-1999.

XX PR 17-DEC-1998; 98WO-US27059.

XX PR 19-DEC-1997; 97US-0068369.

XX PR 18-DRC-1997; 97US-0068006.

XX PR 18-DEC-1997; 97US-0068007.

XX PR 18-DEC-1997; 97US-0068008.

XX PR 18-DEC-1997; 97US-0068053.

XX PR 18-DEC-1997; 97US-0068054.

XX PR 18-DEC-1997; 97US-0068057.

XX PR 18-DEC-1997; 97US-0068064.

XX PR 18-DEC-1997; 97US-0070923.

XX PR 19-DEC-1997; 97US-0068169.

XX PR 19-DEC-1997; 97US-0068365.

XX PR 19-DEC-1997; 97US-0068367.

XX PR 19-DEC-1997; 97US-0068368.

XX PA (HUMA-) HUMAN GENOME SCI INC.

XX PT Carter KC, Duan RD, Feng P, Ferrie AM, Florence C; Florence K, Greene JM, Janat F, Kyaw H, Moore PA; Ni J, Rosen CA, Ruben SM, Shi Y, Soppet DR, Wei Y; Yu G; WPI; 1999-418749/35.

XX DR N-PSDB; AAY37964.

XX PT New isolated human genes encoding secreted polypeptides

XX PS Claim 11; Page 372; 537pp; English.

XX CC AAX97916 to AAX98029 represent 110 isolated human secreted protein genes. AAX36272 represent the secreted proteins encoded by the 110 human genes. The genes and their corresponding secreted polypeptides are useful for preventing, treating or ameliorating medical conditions, e.g. by protein or gene therapy. Also pathological conditions can be diagnosed by determining the amount of the new polypeptides in a sample or by determining the presence of mutations in the new genes. Specific uses are described for each of the 110 genes, based on which products for the diagnosis or treatment of cancer, tumours, developmental abnormalities and foetal deficiencies, blood disorders, diseases of the immune system, autoimmune diseases, inflammation, allergies, Alzheimer's and cognitive disorders, schizophrenia, arthritis, asthma, psoriasis, sepsis, skin disorders, atherosclerosis, diabetes, cardiovascular disorders, kidney disorders, digestive/endocrine disorders, infections and AIDS. The polypeptides are also useful for identifying their binding partners. The sequences given in AAX97916 to AAX97915 and AAY36223 are used in the exemplification of the present invention.

## RESULT 15

XX SQ Sequence 174 AA:

Query Match 8.2%; Score 136; DB 20; Length 174;

Best Local Similarity 87.5%; Pred. No. 0; 0.0005; Indels 0; Gaps 0;

ID AAY36336; AC XX

17-SEP-1999 (first entry)

XX DE Fragment of human secreted protein encoded by gene 49.

XX KW Human; secreted protein; cancer; tumour; developmental abnormality; foetal deficiency; blood disorder; immune system disorder; inflammation; autoimmune disease; allergy; Alzheimer's disease; cognitive disorder; schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder; atherosclerosis; diabetes; cardiovascular disorder; kidney disorder; digestive disorder; endocrine disorder; infection; AIDS.

XX OS Homo sapiens.

XX PN WO993117-A1.

XX PD 24-JUN-1999.

XX PR 17-DEC-1998; 98WO-US27059.

XX PR 19-DEC-1997; 97US-0068369.

XX PR 18-DEC-1997; 97US-0068006.

XX PR 18-DEC-1997; 97US-0068007.

XX PR 18-DEC-1997; 97US-0068008.

XX PR 18-DEC-1997; 97US-0068054.

XX PR 18-DEC-1997; 97US-0070223.

XX PR 19-DEC-1997; 97US-0068169.

XX PR 19-DEC-1997; 97US-0068365.

XX PR 19-DEC-1997; 97US-0068367.

XX PR 19-DEC-1997; 97US-0068368.

XX PA (HUMA-) HUMAN GENOME SCI INC.

XX PT Carter KC, Duan RD, Feng P, Ferrie AM, Florence C; Florence K, Greene JM, Janat F, Kyaw H, Moore PA; Ni J, Rosen CA, Ruben SM, Shi Y, Soppet DR, Wei Y; Yu G; WPI; 1999-418749/35.

XX DR N-PSDB; AAY37964.

XX PT New isolated human genes encoding secreted polypeptides

XX PS Disclosure; Page 507; 537pp; English.

XX CC AAX97916 to AAX98029 represent 110 isolated human secreted protein genes. AAY36224 to AAX36727 represent the secreted proteins encoded by the 110 human genes. The genes and their corresponding secreted polypeptides are useful for preventing, treating or ameliorating medical conditions, e.g. by protein or gene therapy. Also pathological conditions can be diagnosed by determining the amount of the new polypeptides in a sample or by determining the presence of mutations in the new genes. Specific uses are described for each of the 110 genes, based on which tissues they are most highly expressed in, and include developing

CC products for the diagnosis or treatment of cancer, tumours, developmental  
CC abnormalities and foetal deficiencies, blood disorders, diseases of the  
CC immune system, autoimmune diseases, inflammation, allergies, Alzheimer's  
CC and cognitive disorders, schizophrenia, arthritis, asthma, psoriasis,  
CC sepsis, skin disorders, atherosclerosis, diabetes, cardiovascular  
CC disorders, kidney disorders, digestive endocrine disorders, infections  
CC and AIDS. The polypeptides are also useful for identifying their binding  
CC partners. The sequences given in AAX97907 to AAX9915 and AAY36223 are  
CC used in the exemplification of the present invention.  
XX

SQ Sequence 25 AA;

Query Match 7.9%; Score 130; DB 20; Length 25;  
Best Local Similarity 100.0%; Pred. No. 0.00014; Gaps 0;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 1 FEASPPRAGIPEAKVHPLSVAQR 25

Search completed: January 9, 2004, 00:41:48  
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